**3GPP TSG-****RAN2 Meeting#118e R2-22xxxxx**

**May, 2022**

**Agenda Item:** XXX

**Source:** Ericsson

**Title:** NR Rel-17 38331 ASN.1 Review, Class 0 issues

**Document for:** Discussion and decision

# Guidelines

* This file is used to log NR 38331 ASN:1 Review Class 0.
  + **- Typo, minor wording improvement etc.**
  + **- ASN.1 field not following naming rules (e.g. incorrect suffix, capitalization, “-“, etc).**
* Fill in the columns, see example.
  + Make sure the inserted specification text is unique, such that the location of the issue is simple to find.
  + Avoid indicating duplicated issues by checking if the concerned specification text is already reported in the table.
  + Step the file name v(x) -> v(x+1) and upload to ftp server.
* The “status” column will be filled in by the ASN.1 review moderator.

# Class 0 issues

| **Issue** | **ASN1?**  **Y/N** | **Copied existing specification text.**  **Text should be unique, so that it can be easily found in the specification.**  **If needed, add also the new text.** | **Comment/description/**  **correction** | **Email address** | **Status** |
| --- | --- | --- | --- | --- | --- |
| Ex 1 | N  N | 2> derive the KUPint key associated with the *integrityProtAlgorithm* indicated in the SecurityModeCommand message, as specified in TS 33.501 [11]; | Missing italics. | hakan.l.palm@ericsson.com |  |
| Ex 2 | N | PUSCH scheduled by RAR UL grant (see 38.213 clause 8.3 and 38.214 clause 6.1.2.2) and uses interlaced PUCCH Format 0, 1, 2, and 3 for cell-specific PUCCH (see TS 38.213 [13], clause 9.2.1). | Incorrect reference, should be 9.2.101. | hakan.l.palm@ericsson.com |  |
| Ex 3 | Y | RbSetGroup, rbSetGroups | RB-SetGroup, rb-SetGroups | hakan.l.palm@ericsson.com |  |
| 4 | Y | UEAssistanceInformation-v1700-IEs ::= SEQUENCE {  ul-GapFR2-Preference-r17 UL-GapFR2-Preference-r17 OPTIONAL,  musim-Assistance-r17 MUSIM-Assistance-r17 OPTIONAL,  overheatingAssistance-r17 OverheatingAssistance-r17 OPTIONAL,  maxBW-PreferenceFR2-2-r17 MaxBW-PreferenceFR2-2-r17 OPTIONAL,  maxMIMO-LayerPreferenceFR2-2-r17 MaxMIMO-LayerPreferenceFR2-2-r17 OPTIONAL,  minSchedulingOffsetPreferenceExt-r17 MinSchedulingOffsetPreferenceExt-r17 OPTIONAL,  rlm-MeasRelaxationState-r17 BOOLEAN OPTIONAL,  bfd-MeasRelaxationState-r17 BIT STRING (SIZE (32)) OPTIONAL,  nonSDT-DataIndication-r17 SEQUENCE {  resumeCause-r17 ResumeCause OPTIONAL  } OPTIONAL,  scg-DeactivationPreference ENUMERATED { scgDeactivationPreferred, noPreferrence } OPTIONAL,  uplinkData-r17 ENUMERATED { true } OPTIONAL,  rrm-MeasRelaxationFulfilment-r17 BOOLEAN OPTIONAL,  nonCriticalExtension SEQUENCE {} OPTIONAL  } | The yellow should be replaced with "(maxNrofServingCells)" | Mattias.a.bergstrom@ericsson.com |  |
| 5 | Y | SIB12-IEs-r16 ::= SEQUENCE {  sl-ConfigCommonNR-r16 SL-ConfigCommonNR-r16,  lateNonCriticalExtension OCTET STRING OPTIONAL,  ...,  [[  sl-DRX-ConfigCommon-GC-BC-r17 SL-DRX-Config-GC-BC-r17 OPTIONAL, -- Need R  sl-DiscConfigCommon-r17 SL-DiscConfigCommon-r17 OPTIONAL, -- Need R  sl-L2U2N-Relay ENUMERATED {support} OPTIONAL, -- Need R  sl-NonRelayDiscovery ENUMERATED {support} OPTIONAL, -- Need R  sl-L3U2N-RelayDiscovery ENUMERATED {support} OPTIONAL -- Need R  ]]  } | "support" here should be "enabled". Usually we talk about what the gNB has enabled/disabled not what the gNB supports/doesn't support. For example, the gNB may support these features but the operator has not enabled the feature (e.g. at the moment). | Mattias.a.bergstrom@ericsson.com |  |
| 6 | N | In 5.3.7.2  2> if the PC5-RRC connection with the U2N Relay UE is determined to be released:  3> perform the PC5-RRC connection release as specified in 5.8.9.5;  3>perform either cell selection in accordance with the cell selection process as specified in TS 38.304 [20], or relay selection as specified in clause 5.8.x3.3, or both;  2> else maintain the PC5 RRC connection and stop T311 if running; | The else branch should be split into two levels for condition and operation  2> else  3> maintain the PC5 RRC connection and stop T311 if running; | qianxi.lu@oppo.com |  |
| 7 | N | In 5.3.13.6  1> else if cell selection or reselection occurs while T390 is running, or cell change due to relay selection or reselection occurs while T390 is running:  2> stop T390 for all access categories;  2> perform the actions as specified in 5.3.14.4. | It would be clearer if split the long else-if into two-level condition as follows  1> else  2> if cell selection or reselection occurs while T390 is running, or  2> if cell change due to relay selection or reselection occurs while T390 is running:  3> stop T390 for all access categories;  3> perform the actions as specified in 5.3.14.4. | qianxi.lu@oppo.com |  |
| 8 | N | In 5.5.5.1  5> else:  6> include the applicable cells for which the new measurement results became available since the last periodical reporting or since the measurement was initiated or reset; | Indentation error  5> else:  6> include the applicable cells for which the new measurement results became available since the last periodical reporting or since the measurement was initiated or reset; | qianxi.lu@oppo.com |  |
| 9 | N | In 5.8.15.3  NOTE 2: If multiple suitable candidate Relay UEs which meet all AS-layer & higher layer criteria are available, it is up to Remote UE implementation to choose one Relay UE. The details of the interaction with upper layers are up to UE implementation. | Suggest to change & to and  NOTE 2: If multiple suitable candidate Relay UEs which meet all AS-layer and higher layer criteria are available, it is up to Remote UE implementation to choose one Relay UE. The details of the interaction with upper layers are up to UE implementation. | qianxi.lu@oppo.com |  |
| 10 | N | In 5.8.9.7.2,  Upon PC5-RRC connection is established between the L2 U2N Relay UE and L2 U2N Relay UE, the L2 U2N Relay UE shall: | One of the relay UE should be remote UE, i.e., to correct the typo  Upon PC5-RRC connection is established between the L2 U2N Remote UE and L2 U2N Relay UE, the L2 U2N Relay UE shall: | qianxi.lu@oppo.com |  |
| 11 | Y | *– DRX-ConfigSL*  The IE *DRX-ConfigSL* is used to configure additional DRX parameters for the UE performing sidelink operation with resource allocation mode 1, as specified in TS 38.321 [3].  ***DRX-ConfigSL information element***  -- ASN1START  -- TAG-DRX-CONFIGSL-START  DRX-ConfigSL ::= SEQUENCE {  drx-HARQ-RTT-TimerSL INTEGER (0..56),  drx-RetransmissionTimerSL ENUMERATED {sl0, sl1, sl2, sl4, sl6, sl8, sl16, sl24, sl33, sl40, sl64, sl80, sl96, sl112, sl128, sl160,  sl320, spare15, spare14, spare13, spare12, spare11, spare10, spare9, spare8, spare7, spare6,  spare5, spare4, spare3, spare2, spare1}  }  -- TAG-DRX-CONFIGSL-STOP  -- ASN1STOP   |  | | --- | | ***DRX-ConfigSL field descriptions*** | | ***drx-HARQ-RTT-TimerSL***  Value in number of symbols of the BWP where the PDCCH was transmitted. | | ***drx-RetransmissionTimerSL***  Value in number of slot lengths of the BWP where the PDCCH was transmitted. *sl0* corresponds to 0 slots, *sl1* corresponds to 1 slot, *sl2* corresponds to 2 slots, and so on. | | Missing -r17 suffix for the following IEs  ***DRX-ConfigSL information element***  -- ASN1START  -- TAG-DRX-CONFIGSL-START  DRX-ConfigSL ::= SEQUENCE {  drx-HARQ-RTT-TimerSL INTEGER (0..56),  drx-RetransmissionTimerSL ENUMERATED {sl0, sl1, sl2, sl4, sl6, sl8, sl16, sl24, sl33, sl40, sl64, sl80, sl96, sl112, sl128, sl160,  sl320, spare15, spare14, spare13, spare12, spare11, spare10, spare9, spare8, spare7, spare6,  spare5, spare4, spare3, spare2, spare1}  }  -- TAG-DRX-CONFIGSL-STOP  -- ASN1STOP | qianxi.lu@oppo.com |  |
| 12 | Y | RRCReconfiguration-v1700-IEs ::= SEQUENCE {  otherConfig-v1700 OtherConfig-v1700 OPTIONAL, -- Need M  ul-GapFR2-Config-r17 SetupRelease { UL-GapFR2-Config-r17 } OPTIONAL, -- Need M  sl-L2RelayUEConfig-r17 SetupRelease { SL-L2RelayUEConfig-r17 } OPTIONAL, -- Cond L2RelayUE  sl-L2RemoteUEConfig-r17 SetupRelease { SL-L2RemoteUEConfig-r17 } OPTIONAL, -- Cond L2RemoteUE  dedicatedPagingDelivery-r17 OCTET STRING (CONTAINING Paging) OPTIONAL, -- L2U2NRelay  needForNCSG-ConfigNR-r17 SetupRelease {NeedForNCSG-ConfigNR-r17} OPTIONAL, -- Need M  needForNCSG-ConfigEUTRA-r17 SetupRelease {NeedForNCSG-ConfigEUTRA-r17} OPTIONAL, -- Need M  musim-GapConfig-r17 SetupRelease {MUSIM-GapConfig-r17} OPTIONAL, -- Need M  scg-State-r17 ENUMERATED { deactivated } OPTIONAL, -- Need S  appLayerMeasConfig-r17 AppLayerMeasConfig-r17 OPTIONAL, -- Need M  nonCriticalExtension SEQUENCE {} OPTIONAL  } | Missing “-”  (this error is applicable to all places for the IE definition and usage) | qianxi.lu@oppo.com |  |
| 13 | N | In 5.8.9.8.2  When entering RRC\_CONNECTED, if L2 U2N remote UE had send *sl-Requested-SI-List* and *sl-PagingInfo-RemoteUE,* the L2 U2N Remote UE shall: | send => sent | qianxi.lu@oppo.com |  |
| 14 | N | In 5.3.5.16.2  The L2 U2N Relay UE shall:  1> if the release is triggered by reception of the *sl-RemoteUE-ToReleaseList*:  2> for each *sl-L2Identity-Remote* value included in the *sl-RemoteUE-ToReleaseList*:  3> if the current UE has a PC5 RRC connection to a L2 U2N Remote UE with *sl-L2Identity-Remote*:  4> perform the PC5-RRC connection release as specified in 5.8.9.5. | For the level-1 condition, since the only place that this sub-clause is called is as follows  1> if the *sl-L2RelayUEConfig* contains the *sl-RemoteUE-ToReleaseList*:  2> perform the L2 U2N Remote UE release as specified in 5.3.5.16.2;  There is no need to further check the condition of “if the release is triggered by reception of the *sl-RemoteUE-ToReleaseList*”, so can be removed. | qianxi.lu@oppo.com |  |
| 15 | N | In 5.5.4.17  ***Thresh2*** is the threshold parameter for this event (i.e. *y1-Threshold2-Relay* as defined within *reportConfigInterRAT* for this even) | even=>event | xuhao@catt.cn |  |
| 16 | N | In 5.5.5.1  1> if there is at least one applicable neighbouring cell to report:  2> if the *reportType* is set to *eventTriggered* or *periodical*:  3> if the measurement report concerns the candidate L2 U2N Relay UE:  4> set the *sl-MeasResultCandRelay* to include the best candidate L2 U2N Relay UEs up to *maxReportCells* in accordance with the following: | Missing “s”  *sl-MeasResultsCandRelay* | xuhao@catt.cn |  |
| 17 | N | In 5.5.5.1  1> if there is at least one applicable neighbouring cell to report: | In agreed R2-2204226, candidate L2 U2N Relay UE was included:   1. if there is at least one applicable neighbouring cell/candidate L2 U2N Relay UEs to report.   But in TS 38.300, candidate L2 U2N Relay UE is missing.  Further, “/” should be clarify to or, and candidate L2 U2N Relay UEs should be candidate L2 U2N Relay UE.  Suggest to change to:  1> if there is at least one applicable neighbouring cell or candidate L2 U2N Relay UE to report: | xuhao@catt.cn |  |
| 18 | N | In 5.5.5.1  3> for each L2 U2N Relay UE that is included in the *sl-MeasResultsCandRelay*, include the *sl-RelayUEIdentity*; | All NCGIs(in ASN.1 the IE is *cellIdentity*) should be included besides *sl-RelayUEIdentity.*  Suggest to change to:  3> for each L2 U2N Relay UE that is included in the *sl-MeasResultsCandRelay*, include the *sl-RelayUEIdentity and it’s cellIdentity*; | xuhao@catt.cn |  |
| 19 | N | In 5.5.5.2  2> for a candidate L2 U2N Relay UE, consider the y*N-Threshold2-Relay* as the sorting quantity; | It should be clarify to “y*1-Threshold2-Relay”* | xuhao@catt.cn |  |
| 20 | Y | ***y-Threshold1***  NR threshold to be used in measurement report triggering condition for event Y. | ***y1-Threshold1*** is only used for event Y1.  Suggest to change to:  ***y1-Threshold1***  NR threshold to be used in measurement report triggering condition for event Y1. | xuhao@catt.cn |  |
| 21 | Y | ***y-Threshold2-Relay***  L2 U2N Relay threshold value associated with the selected trigger quantity (i.e. RSRP) to be used in measurement report triggering condition for event number Y. | ***y1-Threshold2-Relay*** is only used for event Y1.  Suggest to change to:  ***y1-Threshold2-Relay***  L2 U2N Relay threshold value associated with the selected trigger quantity (i.e. RSRP) to be used in measurement report triggering condition for event Y1. | xuhao@catt.cn |  |
| 22 | Y | Absent field description of y2-Threshold-Relay | Suggest to add field description of y2-Threshold-Relay:  ***y2-Threshold-Relay***  L2 U2N Relay threshold value associated with the selected trigger quantity (i.e. RSRP) to be used in measurement report triggering condition for event Y2. | xuhao@catt.cn |  |
| 23 | Y | ***xN-ThresholdM***  Threshold value associated to the selected trigger quantity (e.g. RSRP, RSRQ, SINR) per RS Type (e.g. SS/PBCH block, CSI-RS) to be used in NR measurement report triggering condition for event xN. If multiple thresholds are defined for event number xN, the thresholds are differentiated by M. x1-Threshold1 and x2-Threshold indicates the threshold value for the serving L2 U2N Relay UE, x1-Threshold2 indicates the threshold value for the NR Cells. | Suggest to use separate field descriptions for x1-Threshold1-Relay, x1-Threshold2 and x2-Threshold-Relay.  ***x1-Threshold1-Relay***  L2 U2N Relay threshold value associated with the selected trigger quantity (i.e. RSRP) to be used in measurement report triggering condition for event X1.  ***x1-Threshold2***  NR threshold to be used in measurement report triggering condition for event X1.  ***X2-Threshold-Relay***  L2 U2N Relay threshold value associated with the selected trigger quantity (i.e. RSRP) to be used in measurement report triggering condition for event X2. | xuhao@catt.cn |  |
| 24 | N | In 5.8.1  For U2N Relay operation, one sidelink SRB (i.e. SL-SRB4) is used to transmit/receive the NR sidelink discovery messages. | Since for the other SL-SRB, only transmit is mentioned, hence it had better align the description for all SL-SRBs:  For U2N Relay operation, one sidelink SRB (i.e. SL-SRB4) is used to transmit~~/receive~~ the NR sidelink discovery messages. | xuhao@catt.cn |  |
| 25 | N | In 5.8.9.7.2  For each *sl-RLC-ChannelID-PC5* received in the *sl-RLC-ChannelToAddModList-PC5* IE the UE shall:  1> if the current configuration contains a sidelink RLC bearer with the received *sl-RLC-ChannelID-PC5*:  2> reconfigure the sidelink RLC entity or entities in accordance with the received *sl-RLC-ConfigPC5*;  2> reconfigure the sidelink logical channel in accordance with the received *sl-MAC-LogicalChannelConfigPC5*;  1> else (a PC5 Relay RLC channel with the received *sl-RLC-ChannelID-PC5* was not configured before):  2> establish an sidelink RLC entity in accordance with the received *sl-RLC-ConfigPC5*;  2> configure the sidelink MAC entity with a logical channel in accordance with the received *sl-MAC-LogicalChannelConfigPC5*. | The descriptions marked with yellow are not aligned. In addition, in our understanding, the sidelink and Uu shares the same MAC entity, it is not proper to use “sidelink MAC entity”.  For each *sl-RLC-ChannelID-PC5* received in the *sl-RLC-ChannelToAddModList-PC5* IE the UE shall:  1> if the current configuration contains a sidelink RLC bearer with the received *sl-RLC-ChannelID-PC5*:  2> reconfigure the sidelink RLC entity or entities in accordance with the received *sl-RLC-ConfigPC5*;  2> reconfigure the sidelink MAC entity with a logical channel in accordance with the received *sl-MAC-LogicalChannelConfigPC5*;  1> else (a PC5 Relay RLC channel with the received *sl-RLC-ChannelID-PC5* was not configured before):  2> establish an sidelink RLC entity in accordance with the received *sl-RLC-ConfigPC5*;  2> configure the ~~sidelink~~ MAC entity with a logical channel in accordance with the received *sl-MAC-LogicalChannelConfigPC5*. | xuhao@catt.cn |  |
| 26 | N | In 5.8.13.2  2> else if the cell chosen for NR sidelink discovery reception provides *SIB12*:  3> if *sl-DiscRxPool* for NR sidelink is included in *SIB12*:  4> configure lower layers to monitor sidelink control information and the corresponding data using the resource pool indicated by *sl-DiscRxPoo* for NR sidelink discovery reception *in SIB12*; | *sl-DiscRxPoo=> sl-DiscRxPool* | xuhao@catt.cn |  |
| 27 | N | In 5.8.15.1  This procedure is used by a UE supporting NR sidelink U2N Remote UE operationconfigured by upper layers to receive/ transmit NR sidelink discovery message to evaluate AS layer conditions. | Lack of space  This procedure is used by a UE supporting NR sidelink U2N Remote UE operation configured by upper layers to receive/ transmit NR sidelink discovery message to evaluate AS layer conditions. | xuhao@catt.cn |  |
| 28 | *Y* | In 6.2.2  RRCReconfiguration-v1700-IEs ::= SEQUENCE {  otherConfig-v1700 OtherConfig-v1700 OPTIONAL, -- Need M  ul-GapFR2-Config-r17 SetupRelease { UL-GapFR2-Config-r17 } OPTIONAL, -- Need M  sl-L2RelayUEConfig-r17 SetupRelease { SL-L2RelayUEConfig-r17 } OPTIONAL, -- Cond L2RelayUE  sl-L2RemoteUEConfig-r17 SetupRelease { SL-L2RemoteUEConfig-r17 } OPTIONAL, -- Cond L2RemoteUE  dedicatedPagingDelivery-r17 OCTET STRING (CONTAINING Paging) OPTIONAL, -- L2U2NRelay  needForNCSG-ConfigNR-r17 SetupRelease {NeedForNCSG-ConfigNR-r17} OPTIONAL, -- Need M  needForNCSG-ConfigEUTRA-r17 SetupRelease {NeedForNCSG-ConfigEUTRA-r17} OPTIONAL, -- Need M  musim-GapConfig-r17 SetupRelease {MUSIM-GapConfig-r17} OPTIONAL, -- Need M  scg-State-r17 ENUMERATED { deactivated } OPTIONAL, -- Need S  appLayerMeasConfig-r17 AppLayerMeasConfig-r17 OPTIONAL, -- Need M  nonCriticalExtension SEQUENCE {} OPTIONAL  }   |  |  | | --- | --- | | *L2RelayUE* | For L2 U2N Relay UE, the field is optionally present, Need M. Otherwise, it is absent. | | *L2RemoteUE* | The field is optional present for L2 U2N Remote UE, need M; otherwise it is absent. | | *L2U2NRelay* | For L2 U2N Relay UE, the field is optionally present, Need N. Otherwise, it is absent. | | For L2 U2N relay, there are two different descriptions ” L2RelayUE” and ” L2U2NRelay”, it had better align it.  RRCReconfiguration-v1700-IEs ::= SEQUENCE {  otherConfig-v1700 OtherConfig-v1700 OPTIONAL, -- Need M  ul-GapFR2-Config-r17 SetupRelease { UL-GapFR2-Config-r17 } OPTIONAL, -- Need M  sl-L2RelayUEConfig-r17 SetupRelease { SL-L2RelayUEConfig-r17 } OPTIONAL, -- Cond L2RelayUE  sl-L2RemoteUEConfig-r17 SetupRelease { SL-L2RemoteUEConfig-r17 } OPTIONAL, -- Cond L2RemoteUE  dedicatedPagingDelivery-r17 OCTET STRING (CONTAINING Paging) OPTIONAL, -- Cond L2~~U2N~~RelayUE  needForNCSG-ConfigNR-r17 SetupRelease {NeedForNCSG-ConfigNR-r17} OPTIONAL, -- Need M  needForNCSG-ConfigEUTRA-r17 SetupRelease {NeedForNCSG-ConfigEUTRA-r17} OPTIONAL, -- Need M  musim-GapConfig-r17 SetupRelease {MUSIM-GapConfig-r17} OPTIONAL, -- Need M  scg-State-r17 ENUMERATED { deactivated } OPTIONAL, -- Need S  appLayerMeasConfig-r17 AppLayerMeasConfig-r17 OPTIONAL, -- Need M  nonCriticalExtension SEQUENCE {} OPTIONAL  }   |  |  | | --- | --- | | *L2RelayUE* | For L2 U2N Relay UE, the field is optionally present, Need M. Otherwise, it is absent. | | *L2RemoteUE* | The field is optional present for L2 U2N Remote UE, need M; otherwise it is absent. | | *~~L2U2NRelay~~* | ~~For L2 U2N Relay UE, the field is optionally present, Need N. Otherwise, it is absent.~~ | | xuhao@catt.cn |  |
| 29 | Y | In 6.2.2  ***dedicatedPagingDelivery***  This field is used to transfer *Paging* message to the L2 Relay UE in RRC\_CONNECTED. | It had better clarify that the paging message is belonging to remote UE.  ***dedicatedPagingDelivery***  This field is used to transfer *Paging* message of remote UE to the L2 Relay UE in RRC\_CONNECTED. | xuhao@catt.cn |  |
| 30 | *N* | 1> if and only if upper layers indicate to stop performing location measurements towards E-UTRA or NR or stop subframe and slot timing detection towards E-UTRA and *preConfigGapID* is not activated:  2> initiate the procedure to indicate stop.  NOTE 2: The UE may initiate the procedure to indicate stop even if it did not previously initiate the procedure to indicate start.  1> if *preConfigGapID* is activated:  2> if a request from upper layers to transmit either a new *preConfigGapID* or to modify the current *measGapConfig* is received; or  2> if a request from upper layers indicate that the current gap is not needed:  3> trigger the lower layers to deactivate the current active measurement gap as specified in TS 38.321 [6]; | Incorrect punctuation.  The first highlighted one should be a semicolon and the second highlighted one should be a full stop. | panxiang@vivo.com |  |
| 31 | *N* | Figure 5.7.14.1-1: UE Positioning Assistance Information procedure | The procedure of RRC reconfiguration should be bidirectional to align with that in Figure 5.7.4.1-1: UE Assistance Information | panxiang@vivo.com |  |
| 32 | *Y* | SRS for positioning confifuration during RRC\_INACTIVE State. | Typo  Confifuration -> configuration | panxiang@vivo.com |  |
| 33 | *Y* | The aperiodic SRS is not applicable for the UE in RRC\_INACTIVE | Missing full stop. | panxiang@vivo.com |  |
| 34 | *N* | if transmission of the UEPositioningAssistanceInfo message is initiated to provide the association between UL SRS Resource for positioning and Tx TEG according to 5.X.2.2; | Incorrect reference, should be 5.7.14.2 | panxiang@vivo.com |  |
| 35 | *N* | Figure 5.7.15.1-1: SRS For Positioning Configuration in RRC INACTIVE Mode | Missing “\_” | panxiang@vivo.com |  |
| 36 | *Y* | Configures the periodicty of UE reporting for the association between Tx TEG and SRS Positioning resources. When configured with *oneShot* UE reports the association only one time. When configured with *periodicReporting* value ms120 means the UE reports every 120ms, ms240 means UE reports every 240ms and so on. | Missing italics. | panxiang@vivo.com |  |
| 37 | *Y* | In 6.2.2  UEAssistanceInformation-v17xy-IEs ::= SEQUENCE {  scg-DeactivationPreference ENUMERATED { scgDeactivationPreferred, noPreferrence } OPTIONAL,  uplinkData-r17 ENUMERATED { true } OPTIONAL,  nonCriticalExtension SEQUENCE {} OPTIONAL  } | The codepoint marked in yellow is not aligned with the one used in the corresponding procedure, i.e., *scgDeactivationNotPreferred*. | wenjuan.pu@vivo.com |  |
| 38 | *Y* | In 6.3.2  ***deactivated-SCG-Config***  Configuration applicable when the SCG is deactivated. The network always configures this field before or when indicating that the SCG is deactivated in an *RRCReconfiguration*, *RRCResume*, E-UTRA *RRCConnectionReconfiguration* or E-UTRA *RRCConnectionResume* message. | “***deactivated-SCG-Config***” should be “***deactivatedSCG-Config***” | wenjuan.pu@vivo.com |  |
| 39 | *N* | In 5.7.4.2  A UE capable of providing its preference for SCG deactivation may initiated the procedure if it was configured to do so, upon determining that it prefers or does no more prefer the SCG to be deactivated. | “initiated” should be “initiate” | wenjuan.pu@vivo.com |  |
| 40 | N | In 5.8.3.3  if the UE initiates the procedure to indicate it is (no more) interested to receive NR sidelink communication or to request (configuration/ release) of NR sidelink communication transmission resources or to report to the network that a sidelink radio link failure or sidelink RRC reconfiguration failure has been declared or to report to the network the sidelink DRX configuration for NR sidelink unicast communication or to report to the network the sidelink DRX assistance information for NR sidelink unicast communication or to report the Destination Layer-2 ID and QoS profile associated with its interested services that sidelink DRX is applied for NR sidelink groupcast or broadcast communication or to indicate it is (no more) interested to receive NR sidelink discovery announcements or to request (configuration/ release) of NR sidelink discovery announcements transmission resources or to request (configuration/ release) of NR sidelink U2N relay communication transmission resources (i.e. UE includes all concerned information, irrespective of what triggered the procedure): | To align the description of “report to the network” to other case in this sentence, the network needs to be added.  if the UE initiates the procedure to indicate it is (no more) interested to receive NR sidelink communication or to request (configuration/ release) of NR sidelink communication transmission resources or to report to the network that a sidelink radio link failure or sidelink RRC reconfiguration failure has been declared or to report to the network the sidelink DRX configuration for NR sidelink unicast communication or to report to the network the sidelink DRX assistance information for NR sidelink unicast communication or to report to the network the Destination Layer-2 ID and QoS profile associated with its interested services that sidelink DRX is applied for NR sidelink groupcast or broadcast communication or to indicate it is (no more) interested to receive NR sidelink discovery announcements or to request (configuration/ release) of NR sidelink discovery announcements transmission resources or to request (configuration/ release) of NR sidelink U2N relay communication transmission resources (i.e. UE includes all concerned information, irrespective of what triggered the procedure): | shijie@catt.cn |  |
| 41 | N | In 5.8.8  NOTE 3: It is up to UE implementation to determines which one resource allocation scheme is used in the AS based on UE capability (for a UE in RRC\_IDLE/RRC\_INACTIVE) and the allowed resource schemes *sl-allowedResourceSelectionConfig* in the resource pool configuration. | Some wording is not right for “to determines which one resource allocation scheme”  to determine~~s~~ which ~~one~~ resource allocation scheme is used… | shijie@catt.cn |  |
| 42 | N | In 5.8.9.6.3  NOTE: When UE determines the sidelink DRX configuration for its peer UE, it may take the sidelink DRX assistance information that is received from its peer UE into account. | Form the view of general wording, “that is” is better to be deleted.  it may take the sidelink DRX assistance information ~~that is~~ received from its peer UE into account. | shijie@catt.cn |  |
| 43 | N | In 6.2.2  ***sl-LatencyBoundCSI-Report***  Indicate the latency bound of SL CSI report from the associated SL CSI triggering in terms of number of slots.  ***sl-LatencyBoundIUC-Report***  Indicates the latency bound of SL Inter-UE coordination report from the associated SL Inter-UE coordination explicit request triggering in terms of number of slots. | the field description of sl-LatencyBoundCSI-Report use the word “indicates”, but the field description of sl-LatencyBoundIUC-Report  Uses the word “indicate”, they should be aligned.  ***sl-LatencyBoundCSI-Report***  Indicates the latency bound of SL CSI report from the associated SL CSI triggering in terms of number of slots. | shijie@catt.cn |  |
| 44 | N | In 6.3.1, SIB17:  SIB17-IEs-r17 ::= SEQUENCE {  trs-ResouceSetConfig-r17 SEQUENCE (SIZE (1..maxNrofTRS-ResourceSets-r17)) OF TRS-ResourceSet-r17 OPTIONAL, -- Need R  validityDuration-r17 ENUMERATED {t1, t2, t4, t8, t16, t32, t64, t128, t256, t512, spare6, spare5, spare4, spare3, spare2,  spare1} OPTIONAL, -- Need S  lateNonCriticalExtension OCTET STRING OPTIONAL,  ...  }  And in the field description table:  ***trs-ResouceSetConfig***  RS configuration of TRS occasion(s) for idle/inactive UE(s), … | Typo: “r” is missing to trs-ResouceSetConfig-r17:  SIB17-IEs-r17 ::= SEQUENCE {  trs-ResourceSetConfig-r17 SEQUENCE (SIZE (1..maxNrofTRS-ResourceSets-r17)) OF TRS-ResourceSet-r17 OPTIONAL, -- Need R  validityDuration-r17 ENUMERATED {t1, t2, t4, t8, t16, t32, t64, t128, t256, t512, spare6, spare5, spare4, spare3, spare2,  spare1} OPTIONAL, -- Need S  lateNonCriticalExtension OCTET STRING OPTIONAL,  ...  }  And in the field description table:  ***trs-ResourceSetConfig***  RS configuration of TRS occasion(s) for idle/inactive UE(s), | pierrebertrand@catt.cn |  |
| 45 | N | In 6.3.1, field description of SIB17:  ***trs-ResouceSetConfig***  RS configuration of TRS occasion(s) for idle/inactive UE(s), in terms of a list of N>=1 NZP TRS resource set(s). The maximum number of TRS resource sets configured by higher layer is 64. If a TRS resource is configured, the L1 based availability indication is always enabled based on that configuration. A UE which acquired SIB-X with a TRS configuration but did not yet receive an associated L1-based availability indication considers the configured TRS as unavailable. | The font color of the last sentence needs to be updated. | pierrebertrand@catt.cn |  |
| 46 | N | In 6.3.1, field descriptions of SIB17:  ***TRS-ResourceSet***  Common configuration parameters for the TRS resource set. | We don’t need to add the field description for *TRS-ResourceSet* as it is an IE, not a field. It should be removed. | pierrebertrand@catt.cn |  |
| 47 | N | In 6.3.2, field descriptions of *SCellConfig*:  ***goodServingCellEvaluationBFD***  ***I***ndicates the criterion for a UE to detect the good serving cell quality for BFD relaxation in an SCell in RRC\_CONNECTED. | Typo. Change as follows:  ***goodServingCellEvaluationBFD***  Indicates the criterion for a UE to detect the good serving cell quality for BFD relaxation in an SCell in RRC\_CONNECTED. | pierrebertrand@catt.cn |  |
| 48 | N | In 6.3.2, some typos in *PEI-Config* field descriptions.  ***firstPDCCH-MonitoringOccasionOfPEI-O***  Offset, in number of symbols, from the start of the reference frame for PEI-O to the start of the first PDCCH monitoring occasion of PEI-O, see TS 38.213 [13], clause 10.4A. For the case *po-NumPerPEI* is smaller than Ns, UE applies the (floor(i\_s/poNumPerPEI)+1)-th value out of (N\_s/po-NumPerPEI) configured values in *firstPDCCH-MonitoringOccasionOfPEI-O* for the symbol-level offset. When *po-NumPerPEI* is one or mutliple of Ns, UE applies the first configured value in *firstPDCCH-MonitoringOccasionOfPEI-O* for the symbol-level offset.  **pei-SearchSpace**  ID of dedicated search space for PEI. It can be configured to one of up to 4 common SS sets configured by *commonSearchSpaceList* with *SearchSpaceId* > 0. The CCE aggregation levels and maximum number of PDCCH candidates per CCE aggregation level follows Table 10.1-1 of TS38.213 [13]. SearchSpaceId = 0 can be configured for the case of SS/PBCH block and CORESET multiplexing pattern 2 or 3.  **po-NumPerPEI**  The number of PO(s) associated **with** one PEI monitoring occation. It is a factor of N x Ns (total PO number in a paging cycle). The Maximum number of PF associated with one PEI monitoring occation is up to 2. The number of PO mapping to one PEI should be multiple of Ns when po-NumPerPEI is larger than Ns. | Extra space character, italics fonts, etc. Change as follows:  ***firstPDCCH-MonitoringOccasionOfPEI-O***  Offset, in number of symbols, from the start of the reference frame for PEI-O to the start of the first PDCCH monitoring occasion of PEI-O, see TS 38.213 [13], clause 10.4A. For the case *po-NumPerPEI* is smaller than Ns, UE applies the (floor(i\_s/poNumPerPEI)+1)-th value out of (N\_s/po-NumPerPEI) configured values in *firstPDCCH-MonitoringOccasionOfPEI-O* for the symbol-level offset. When *po-NumPerPEI* is one or mutliple of Ns, UE applies the first configured value in *firstPDCCH-MonitoringOccasionOfPEI-O* for the symbol-level offset.  ***pei-SearchSpace***  ID of dedicated search space for PEI. It can be configured to one of up to 4 common SS sets configured by *commonSearchSpaceList* with *SearchSpaceId* > 0. The CCE aggregation levels and maximum number of PDCCH candidates per CCE aggregation level follows Table 10.1-1 of TS38.213 [13]. *SearchSpaceId* = 0 can be configured for the case of SS/PBCH block and CORESET multiplexing pattern 2 or 3.  ***po-NumPerPEI***  The number of PO(s) associated with one PEI monitoring occation. It is a factor of N x Ns (total PO number in a paging cycle). The Maximum number of PF associated with one PEI monitoring occation is up to 2. The number of PO mapping to one PEI should be multiple of Ns when *po-NumPerPEI* is larger than Ns. | pierrebertrand@catt.cn |  |
| 49 | Y | In 6.3.2, typo in the IE SearchSpace  [[  dci-Format2-7-r17 SEQUENCE {  nrofCandidates-PEI-r17 SEQUENCE {  aggregationLevel4-r17 ENUMERATED {n0, n1, n2, n3, n4} OPTIONAL, -- Need R  aggregationLevel8-r17 ENUMERATED {n0,n1, n2} OPTIONAL, -- Need R  aggregationLevel16-r17 ENUMERATED {n0, n1} OPTIONAL -- Need R  },  ...  } OPTIONAL -- Need R  ]] | [[  dci-Format2-7-r17 SEQUENCE {  nrofCandidates-PEI-r17 SEQUENCE {  aggregationLevel4-r17 ENUMERATED {n0, n1, n2, n3, n4} OPTIONAL, -- Need R  aggregationLevel8-r17 ENUMERATED {n0, n1, n2} OPTIONAL, -- Need R  aggregationLevel16-r17 ENUMERATED {n0, n1} OPTIONAL -- Need R  },  ...  } OPTIONAL -- Need R  ]] | pierrebertrand@catt.cn |  |
| 50 | Y | In 6.3.2, SI-SchedulingInfo IE:  SIB-TypeInfo-v1700 ::= SEQUENCE {  sibType-r17 CHOICE {  type1-r17 ENUMERATED {sibType15, sibType16, sibType17, sibType18, sibType19, sibType20, sibType21,...},  type2-r17 SEQUENCE {  posSibType-r17 ENUMERATED {posSibType1-9, posSibType1-10, posSibType2-24, posSibType2-25, posSibType6-4, posSibType6-5, posSibType6-6,...},  encrypted-r17 ENUMERATED { true } OPTIONAL, -- Need R  gnss-id-r17 GNSS-ID-r16 OPTIONAL, -- Need R  sbas-id-r17 SBAS-ID-r16 OPTIONAL -- Need R  }  },  valueTag-r17 INTEGER (0..31) OPTIONAL, -- Cond SIB-TYPE-POS  areaScope-r17 ENUMERATED {true} OPTIONAL -- Need S  } | Suffix is missing:  SIB-TypeInfo-v1700 ::= SEQUENCE {  sibType-r17 CHOICE {  type1-r17 ENUMERATED {sibType15-v1700, sibType16-v1700, sibType17-v1700, sibType18-v1700, sibType19-v1700, sibType20-v1700, sibType21,...},  type2-r17 SEQUENCE {  posSibType-r17 ENUMERATED {posSibType1-9, posSibType1-10, posSibType2-24, posSibType2-25, posSibType6-4, posSibType6-5, posSibType6-6,...},  encrypted-r17 ENUMERATED { true } OPTIONAL, -- Need R  gnss-id-r17 GNSS-ID-r16 OPTIONAL, -- Need R  sbas-id-r17 SBAS-ID-r16 OPTIONAL -- Need R  }  },  valueTag-r17 INTEGER (0..31) OPTIONAL, -- Cond SIB-TYPE-POS  areaScope-r17 ENUMERATED {true} OPTIONAL -- Need S  } | pierrebertrand@catt.cn |  |
| 51 | N | In 6.3.4, *OtherConfig* field description:  ***bfd-RelaxationReportingConfig***  Configuration for the UE to report the relaxation state of BDF measurements. | Typo: BDF -> BFD  ***bfd-RelaxationReportingConfig***  Configuration for the UE to report the relaxation state of BFD measurements. | pierrebertrand@catt.cn |  |
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